



# ***DLIS Repository Service***



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**Defense Logistics Information Service**

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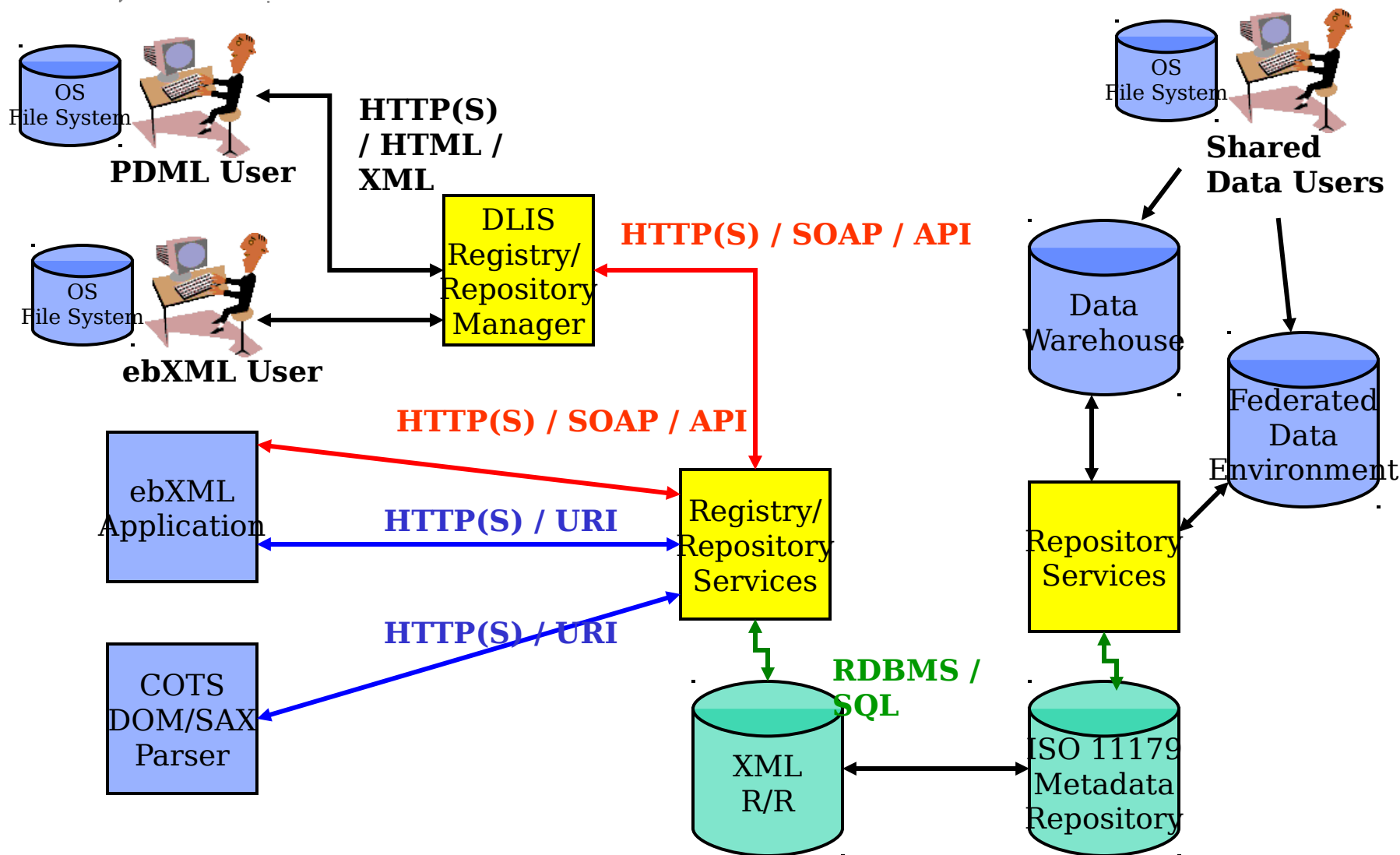


# Benefits

- Support for DoD logistics data integration/sharing
- Integrated Support for eBusiness transactions
- Standard definitions, syntax and domain values for data elements
- Translations and mappings to DoD data sources
- Improved data management leading to higher quality information
- Consistent definition of XML tags and shared data elements



# Repository Architecture





# MDR Capabilities

- ISO 11179 Compliant Metadata Repository
- Implementation of integrated data environments
  - Web access to product data metadata, including schema, connectivity and administrative information concerning data sources
  - A product data reference data model mapped to the physical model
  - Reference and user views managed to facilitate data access
  - Weapons system, information type and business process retrieval of metadata linked to data source
  - Dictionary/directory information with mappings to DDA, DDDS, CLDM
- Business agreement management
  - Facilitation and tracking of business agreements, including data sharing requests and data sharing specifications
  - Storage and retrieval of agreements by various categories such as data source and open/completed agreements
- Configuration management of the integrated environment and repository data



# ISO 11179 Support

- Provides for the definition and management of “core” - context independent - data element and their extension / mapping into the business / functional and systems domain
- Data element definition and management scope
  - Naming            - Classification Schemes
  - Definition       - Registration
  - Unique Identification    - Administration
  - Domain           - Authoritative Sources
  - Size            - Mappings to Business
  - Type            Function and Systems



# **XML Registry/Repository Capabilities**

- Web accessible storage, query, retrieval of registered XML artifacts (DTDs, ATSS, schemas, style sheets)
- Registration, validation/retrieval, and configuration management of XML artifacts
- Classification schema for indexing registered items
- Execution time mission critical processing
- Leverage PDMRS technology and metadata
- PDML operational support
- Data Sharing Agreement (DSA) management
- Based on ebXML architecture and information model



***Data and its quality must be actively  
managed and measured***